

2001-2004 LB7 DURAMAX HIGH-IDLE
ROTARY SWITCH

USER MANUAL

Disclaimer

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Caution

Never work on a hot vehicle. Serious injury in the form of burns can result if the vehicle has been in use. Allow vehicle to cool prior to installation. Always wear eye protection when working on or under any vehicle.

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Notice:

Unplug both batteries before installation.

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GDP410012



- A. Loomed electrical wires
- B. Dial stickers
- C. Switch control board

- D. Switch knob
- E. Allen Wrench

Step 1

Remove TCM Cover



Step 2

Lift out TCM



Step 3

Disconnect TCM



Step 4

Remove ECM cover



Step 5

Unbolt blue plug



Step 6

Remove blue cover



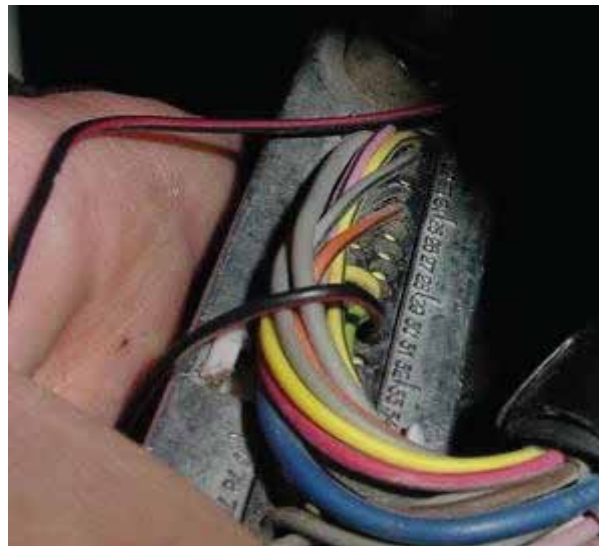
Step 7

Pins now exposed



Step 8

Insert new pin/wire



Step 9

Reassemble



Notice:

Proper switch pin position between the 6th and 7th slot



Notice:

Stock Connector

Signal = Blue connector, pin 69
Ground = Blue connector, pin 49

High Idle Enable = Blue connector, pin 71

GDP Wires

Signal = Purple
Ground = Black

High Idle Enable = Blue

+12V Switched ignition power source = Pink

Troubleshooting:

To troubleshoot your switch, you will need a voltmeter.

Step 1

Set your switch to position 1.

Step 2

Turn key to the run position. (engine off or on)

Step 3

Test the Switch on the fly wire (Purple Wire). These numbers may vary within their specific levels. (i.e. 4.0-4.9 in Position 1) The voltage you should be seeing is:

Step 4

If the readings do not match, please check your connections and pins to make sure they are not bent or broken. As well as, there is no debris stopping the pins from being inserted completely.

Step 5

If the issue persists please call our tech support line for more help. 877-223-5018

LEVEL 1	4.5
LEVEL 2	3.5
LEVEL 3	2.5
LEVEL 4	1.5
LEVEL 5	0.5
HIGH IDLE	5.0